

CONFIDENTIAL

PROPOSED MAINTENANCE PROGRAM
FOR

[redacted] was requested verbally to propose on field maintenance on the [redacted] equipment. As the history of performance of these systems has been presented to this company, it appears that the majority of the trouble has been with the [redacted] System. The link reliability has been quite intermittent and cannot be correlated with any of the usual phenomenon which causes unreliable operation.

Since the link reliability seems to point to an intermittent failure or to a possible mis-operation of equipment, it is proposed that this maintenance program be divided into two phases. The first phase will be aimed at diagnosing the trouble and the second phase will be to fix the trouble and return all equipments located at two overseas locations and at the Washington station, to optimum working condition.

The first phase will be to instrument the [redacted] Receive Terminals with linear recorders and correlate all available received data in order to localize any malfunction. This will provide a linear recording of the detected signals at the Receiver RF Terminal, a linear recording of the digital signals at the input to the data circuits at the Receive Data Terminal and a punched tape from the Soroban punch unit. Any malfunction at either of the receive terminals will be immediately detected and localized (if possible, the fault will be immediately corrected), and if the malfunction is at the transmit stations, this will be detected. While it is not possible with this instrumentation to specifically localize transmit station trouble, general localization is possible and remedial action can be recommended.

For the first phase, two [redacted] engineers will be required at this receive station, one at the Receiver RF Terminal and one at the Receive Data Terminal. If the two terminals are at the same location, only one [redacted] engineer will be required.

[redacted] will furnish a visicorder for instrumentation at the Receive Data Terminal. The second visicorder, for use at the Receive RF Terminal, is expected to be government furnished.

The expense for this phase of the program is estimated to be approximately [redacted] if two [redacted] engineers are required. If only one [redacted] engineer is required, the cost will be approximately [redacted]. This represents an engineering opinion and should be considered for planning purposes and not construed as official or binding.

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The second phase of this maintenance program will be to provide the services of one [redacted] engineer in Europe for one month. This engineer will perform all necessary repairs and alignment to the [redacted] Transmit Terminal, [redacted] Receive Terminal, and the [redacted] Transmit Terminal.

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During the fourth week of this phase of the program, a [redacted] engineer will visit the Washington Station to help with trans-Atlantic tests.

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The approximate cost for the second phase of the program is estimated to be [redacted] and as before, should be considered as planning and not binding.

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